






CytoFLEX –Optical Configuration

V-SSC Configuration

Laser	Fluorescent Channel /Filter	CytoFLEX Channel Names	Commonly used Fluorochromes
 375 nm	450/45	NUV450	Indo-1(violet), BUV395, DAPI, Hoechst33342
	525/40	NUV525	Indo-1 (blue), BUV496
	675/30	NUV675	BUV661
 405 nm	405/10	V-SSC	SSC
	525/40	V525-KrC	V500, BV510, AmCyan
	610/20	V610	BV605, QDot 605
	660/10	V660	BV650, Qdot 655
	763/43	V763	BV750, BV786
 488nm	488/8	SSC	SSC
	525/40	B525	FITC, GFP, YFP, CFSE, AlexaFluor488, BB515
	610/20	B610	PE-Texas Red, PE-CF594, PI
	690/50	B690 PC5	PerCP, PerCP-Cy5.5, PI
 561nm	585/42	Y585-PE	PE, DsRed, Cy3, RFP, tdTomato
	610/20	Y610-mCl	PE-Texas Red, PI, mCherry, Rhodamine Red
	675/30	Y675-PC5	PE-Cy5
	710/50	Y710-PC5	PE-Cy5.5
	763/43	Y763-PC7	PE-Cy7
 640 nm	660/10	R660-APC	APC, Alexa Fluor647, eFluor660
	712/25	R712-APC	APC-A700, Alexa Fluor700
	763/43	R763-APC	APC-Cy7, APC-H7, APC- eFluor780

NOTE The Cytometer configuration VSSC is recommended to detect particles smaller than 500 nm. (Scatter Resolution: 80 nm polystyrene particles). Within this configuration the side scatter signal is collected from the violet laser by the a BP Filter 405/10.